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www.samsung.com/register

Model _____ Serial No. ____



User Instructions

Screen Image retention

Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

Height

The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height so do not install and operate there.

Heat on the top of the PDP TV

The top side of the product may be hot after long period of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the product.

The product is making a 'cracking' noise.

A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

Cell Defects

The PDP uses a panel consisting of 2,360,000 (HD-level) to 6,221,000 (FHD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Avoid operating the TV at temperatures below 5°C(41°F)

A still image displayed too long may cause permanent damage to the PDP Panel.



Watching the PDP TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.

Afterimage on the Screen.

Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

Warranty

- Warranty does not cover any damage caused by image retention.
- Burn-in is not covered by the warranty.

Installation

Be sure to contact an authorized service centre, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substance and where it operates continually such as the airport, the train station etc. Failure to do so may cause a serious damage to your set.

Digital TV (DVB-T) Notice

- Functionalities related to Digital TV(DVB) are only available in countries/areas where DVB-T (MPEG2 and MPEG4 AVC)
 digital terrestrial signals are broadcasted or where you have access to a compatible DVB-C(MPEG2 and MPEG4 AAC)
 cable-TV service. Please check with your local dealer the possibility to receive DVB-T or DVB-C signal.
- 2. DVB-T is the DVB European consortium standard for the broadcast transmission of digital terrestrial television and DVB-C is that for the broadcast transmission of digital TV over cable.
 - However, some differentiated features like EPG (Electric Program Guide), VOD (Video on Demand) and so on, are not included in this specification. So, they cannot be supported at this moment.
- 3. Although this TV set meets the latest DVB-T and DVB-C standards[August,2008], the compatibility with future DVB-T digital terrestrial and DVB-C digital cable broadcasts cannot be guaranteed.
- Some cable-TV providers may charge an additional fee for such a service and you may be required to agree to terms and conditions of their business.
- Some Digital TV functions might be unavailable in some countries or regions and DVB-C might not work correctly with all providers.
- 6. For more information, please contact your local Samsung customer care centre.

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Press

Symbol



Note

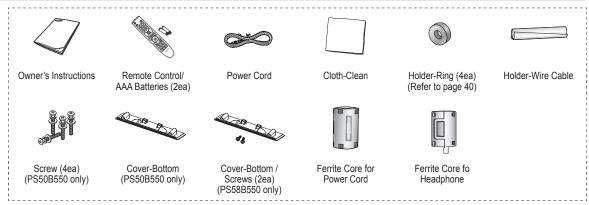
One-Touch Button



TOOLS

Connecting and Preparing Your TV

Checking Parts



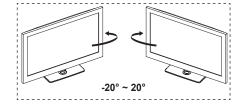
Ferrite Core (Power Cord, Headphone)

The ferrite core is used to shield the cable from interference. When connecting a cable, open the ferrite core and clip it around the cable near the plug.



Using the Stand-Base

- Two or more people should carry the PDP. Never lay the PDP on the floor because of possible damage to the screen. Always keep the PDP upright.
- The PDP can rotate 20 degrees in right and left directions.

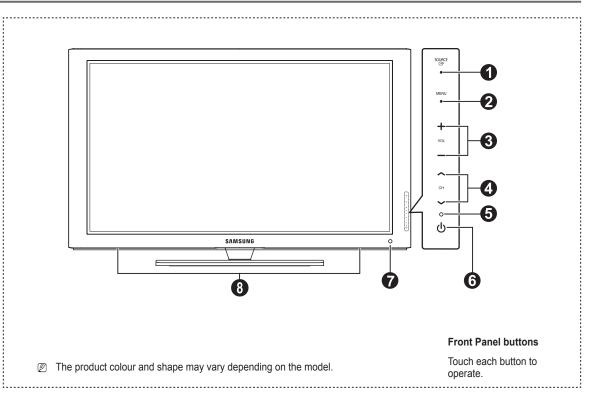


Assembling the Cables

Enclose the cables in the Holder-Wire Cable so that the cables are not visible through the transparent stand.



Viewing the Control Panel



1 SOURCE →

Toggles between all the available input sources (TV, AV1, AV2, Component1, Component2, PC, HDMI1, HDMI2/DVI, HDMI3, USB).

- In the on-screen menu, use this button as you would use the ENTER button on the remote control.
- MENU

Press to see an on-screen menu of your TV's features.

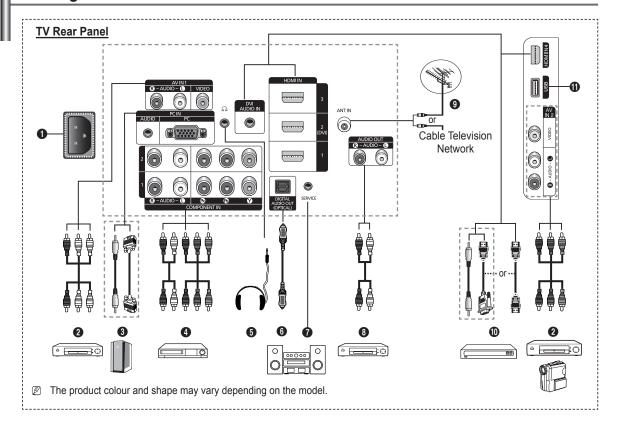
+ VOL -

Press to increase or decrease the volume. In the on-screen menu, use the + VOL − buttons as you would use the ◀ and ▶ buttons on the remote control.

Press to change channels. In the on-screen menu, use the \wedge CH \vee buttons as you would use the \wedge and \vee buttons on the remote control.

- **5 POWER INDICATOR** Lights up when the power is on.
- (POWER)
 Press to turn the TV on and off.
- REMOTE CONTROL SENSOR Aim the remote control towards this spot on the TV.
- SPEAKERS

Viewing the Connection Panel



- Whenever you connect an audio or video system to your set, ensure that all elements are switched off.
- When connecting an external device, match the colour of the connection terminal to the cable.
- POWER IN

Connect the supplied power cord.

AV IN 1, 2 (AUDIO R/L / VIDEO)

Video and audio inputs for external devices, such as a camcorder or VCR.

PC IN (AUDIO / PC)

Connect to the video and audio output jack on your PC.

4 COMPONENT IN 1, 2

Audio (AUDIO L/R) and video (Y/P_B/P_R) inputs for Component.

6 HEADPHONES JACK

You can connect a set of headphones if you wish to watch a television programme without disturbing the other people in the room.

Prolonged use of headphones at a high volume may damage your hearing.

1 DIGITAL AUDIO OUT (OPTICAL)

Connect to a Digital Audio Component.

SERVICE

Connector for service.

AUDIO OUT (AUDIO R/L)

Connect RCA audio signals from the TV to an external source, such as Audio equipment.

O ANT IN

75Ω Coaxial connector for Aerial/Cable Network.

HDMI IN 1, 2(DVI), 3, 4

- No additional Audio connection is needed for an HDMI to HDMI connection
- When using an HDMI/DVI cable connection, you must use the HDMI IN 2 (DVI) jack.

What is HDMI?

- High Definition Multimedia interface allows the transmission of high definition digital video data and multiple channels of digital audio.
- The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

DVI AUDIO IN

DVI audio outputs for external devices.

a usi

Connect a USB mass storage device to view photo files and play audio files.

Supported modes for HDMI/DVI and Component

| | 480i | 480p | 576i | 576p | 720p | 1080i | 1080p |
|---------------|------|------|------|------|------|-------|-------|
| HDMI/DVI 50Hz | Х | Х | Х | 0 | 0 | 0 | 0 |
| HDMI/DVI 60Hz | Х | 0 | Х | Х | 0 | 0 | 0 |
| Component | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remote Control

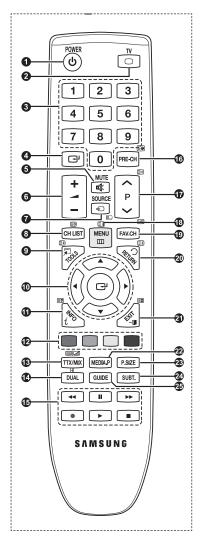
You can use the remote control up to a distance of about 23 feet from the TV.

- The performance of the remote control may be affected by bright light.
- POWER button (turns the TV on and off)
- 2 Selects the TV mode directly.
- 3 Number buttons for direct channel access
- 4 Use to Select on-screen menu items
- Temporary sound switch-off
- Volume increase

 Volume decrease
- Available source selection
- Channel control button
- Use to quickly select frequently used functions.
- Control the cursor in the menu
- Use to see information on the current broadcast
- Use these buttons in the Channel list, etc.
- Sound mode selection
- Use these buttons in the Channel list, and Anynet+.
- Previous channel
- Next channel
 Previous channel
- 13 Displays the main on-screen menu
- Press to switch to your Favourite channels.
- Returns to the previous menu
- 2 Exit the on-screen menu
- This function enables you to view and play photo, music and movie files from an external device. (Refer to pages 29 (Photo), 31 (Music))
- Picture size selection
- ② Digital subtitle display
- Electronic Program Guide (EPG) display

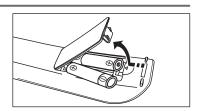
Teletext Functions

- Exit from the teletext display (depending on the model)
- Teletext mode selection (LIST/FLOF)
- Teletext store
- Teletext size
- Teletext reveal
- Pastext topic selection
- Teletext display/mix both teletext information and the normal broadcast
- Teletext sub page
- P : Teletext next page P : Teletext previous page
- Teletext index
- Teletext hold
- Teletext cancel



Installing Batteries in the Remote Control

- 1. Lift the cover at the back of the remote control upward as shown in the figure.
- 2. Install two AAA size batteries.
 - Make sure to match the '+' and '-' ends of the batteries with the diagram inside the compartment.
- 3. Close the cover.
 - Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time.
- If the remote control doesn't work, check the following
 - 1. Is the TV power on?
 - 2. Are the plus and minus ends of the batteries reversed?
 - 3. Are the batteries drained?
 - 4. Is there a power outage or is the power cord unplugged?
 - 5. Is there a special fluorescent light or neon sign nearby?



Switching On and Off

The mains lead is attached to the rear of your set.

- 1. Plug the mains lead into an appropriate socket.
 - The standby indicator lights up on your set.
- 2. Press the **POWER** button on your set.
 - You also can press the POWER() button or the TV button on the remote control to turn the TV on. The programme that you were watching last is reselected automatically.
- 3. Press the numeric button (0~9) or channel up / down (∧ / ∨) button on the remote control or ∧ CH ∨ button on your set.
 - When you switch the set on for the very first time, you will be asked to choose language in which the menus are to be displayed.
- To switch your set off, press the POWER button again.

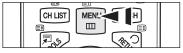
Placing Your Television in Standby Mode

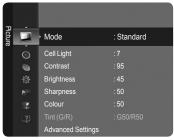
Your set can be placed in standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

- 1. Press the **POWER** button on the remote control.
 - The screen is turned off and a red standby indicator appears on your set.
- 2. To switch your set back on, simply press the POWER⁽¹⁾, numeric buttons (0~9), TV button or channel up / down (∧ / ∨) button again
 - Do not leave your set in standby mode for long periods of time (when you are away on holiday, for example). It is best to unplug the set from the mains and aerial.

Viewing the Menus

- With the power on, press the MENU button. The main menu appears on the screen. The menu's left side has icons: Picture, Sound, Channel, Setup, Input, Application, Support.
- Press the ▲ or ▼ button to select one of the icons. Then press the ENTER button to access the icon's sub-menu.
- 3. Press the EXIT button to exit.
 - The on-screen menus disappear from the screen after about one minute.





Using the TOOLS Button

You can use the **TOOLS** button to select your frequently used functions quickly and easily. The **Tools** menu changes depending on which external input mode you are viewing.

- 1. Press the **TOOLS** button. The **Tools** menu will appear.
- 2. Press the ▲ or ▼ button to select a menu, then press the ENTER → button.
- Press the ▲ / ▼ / / ► / ENTER duttons to display, change, or use the selected items. For a more detailed description of each function, refer to the corresponding page.

Anynet+ (HDMI-CEC), see page 35

- · Picture Mode, see page 15
- · Sound Mode, see page 20
- · Sleep Timer, see page 24
- · SRS TS HD, see page 20
- Energy Saving, see page 23
- · Add to Favourite (or Delete from Favourite), see page 13
- Auto Adjustment, see page 18





Plug & Play Feature

When the TV is initially powered on, basic settings proceed automatically and subsequently.

- The Screen Saver is activated if there is no remote control key input for longer than 1 minute while Plug & Play is running.
- The Screen Saver is activated if there is no operating signal for longer than 15 minutes.
- Press the POWER button on the remote control. The message Select 'Home Use' when installing this TV in your home. is displayed.
- Then press the

 or

 button to select Store Demo or Home Use, then the
 ENTER

 button.
 - We recommend setting the TV to Home Use mode for the best picture in your home environment.
 - **Store Demo** mode is only intended for use in retail environments.
 - If the unit is accidentally set to Store Demo mode and you want to return to Home Use (Standard): Press the Volume button on the TV. When the volume OSD is displayed, press and hold the MENU button on the TV for 5 seconds.
- 3. Press the ENTER → button. Select the appropriate country by pressing the ▲ or ▼ button. Press the ENTER → button to confirm your choice.
- Press the ▲ or ▼ button to select the Antenna source to memorize. Press the ENTER → button to select Start.
 - · Digital & Analogue: Digital and Analogue channels.
 - · Digital: Digital channels.
 - Analogue: Analogue channels.
 - The channel search will start and end automatically.
 - Press the **ENTER** button at any time to interrupt the memorization process.
 - After all the available channels are stored, the message Set the Clock Mode. is displayed.
- 5. Press the ENTER button. Press the or button to select Auto, then Press the ENTER button.
 - If you select Manual, Set current date and time is displayed. (refer to page 24)
 - If you have received a digital signal, the time will be set automatically. If not, see page 24 to set the clock.
- 6. Press the ▲ or ▼ button to highlight the time zone for your local area (and to move the highlight to the appropriate time zone on the map of the Australia). Press the ENTER → button.
- 7. The brief instruction on **How to get the best performance from your new HDTV** is displayed. Press the **ENTER** button.

 - This menu is available HD Connection Guide in the Support menu.
- 8. The message **Enjoy your TV**. is displayed. When you have finished, press the **ENTER** button.

If you want to reset this feature...

- Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER → button.
- Press the ENTER button again to select Plug & Play.
- 3. Enter your 4 digit PIN number. The default PIN number of a new TV set is
 - If you want to change PIN number, refer to 22 page.
 - The Plug & Play feature is only available in the TV mode.



Plug & Play

Home Use

♦ Move ☐ En

Store Demo

Channel Control

Storing Channels

□ Country

You can change the desired country.

- The PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is '0-0-0-0'.

Auto Store

Scans for all channels with active broadcast stations (and availability depends on your country) and stores them in the TV's memory.

You can memorize the Antenna source.

- · Digital & Analogue: Digital and Analogue channels.
- · Digital: Digital channels.
- · Analogue: Analogue channels.
- If you want to stop Auto Store, press the ENTER button.
- The Stop Auto Store? message will be displayed.
- Select Yes by pressing the
 or ▶ button, then press the ENTER
 button.
- If a channel is locked using the Child Lock function, the PIN input window appears.

☐ Manual Store

Scans for a channel manually and stores it in the TV's memory.

Digital Channel (DTV)

Manual store for digital channels.

- Channel: Set the Channel number using the ▲, ▼ or number (0~9) buttons.
- Frequency: Set the frequency using the number buttons.
- Bandwidth: Set the bandwidth using the ▲, ▼ or number (0~9) buttons.
- When it has finished, channels are updated in the channel list.

Analogue Channel

Manual store for analogue channel.

- Programme (Programme number to be assigned to a channel): Sets the programme number using the ▲, ▼ or number (0~9) buttons.
- Colour System → Auto / PAL / SECAM / NTSC4.43: Sets the colour system value using the ▲ or ▼ button.
- Sound System → BG / DK / I / L : Sets the sound system value using the ▲ or ▼ button.
- Channel (When you know the number of the channel to be stored): Press the ▲ or ▼ button to select C (Air channel) or S (Cable channel). Press the ▶ button, then press the ▲, ▼ or number (0~9) buttons to select the required number.

 - If there is abnormal sound or no sound, reselect the sound standard required.
- Search (When you do not know the channel numbers): Press the ▲ or ▼ button to start the search. The tuner scans the
 frequency range until the first channel or the channel that you selected is received on the screen.
- Store (When you store the channel and associated programme number): Set to OK by pressing the ENTER button.
- Channel mode
 - C (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this
 mode.
 - S (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.



☐ Full Guide / Mini Guide

The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

- Full Guide: Displays the programme information as time ordered One hour segments. One hours of programme information is displayed which may be scrolled forwards or backwards in time.
- Mini Guide: The information of each programme is displayed by each line on the current channel Mini Guide screen from the current programme onwards according to the programme starting time order.

□ Default Guide

- Mini Guide / Full Guide: You can decide whether to display either the Mini Guide or the Full Guide when the GUIDE button on the remote control is
 - [®] You can also display the guide menu simply by pressing the **GUIDE** button.



GUIDE

1-11 DUAL

Using the Full / Mini Guide





| splayed. If the ENTER button is pressed scheduling is canceled with the clock icon gone. |
|---|
| |
| |

| Select a programme by pressing the $\mathbb{A}/\mathbb{V}/\mathbb{A}/\mathbb{P}$ button. If the next programme is selected, it is scheduled with the clock icon displayed. If the ENTER button is pagain, press the $\mathbb{A}/\mathbb{V}/\mathbb{A}/\mathbb{P}$ button to select Cancel Schedules, the scheduling is canceled with the clock For details about scheduling programmes, refer to the section. | | | | | |
|--|--------|---|--|--|--|
| | RED | Toggle between the Mini Guide or Full Guide. | | | |
| | GREEN | Full Guide: Scroll backwards quickly (-24 hours). | | | |
| | GREEN | Mini Guide: Display previous page quickly. | | | |
| | YELLOW | Full Guide: Scroll forwards quickly (+24 hours). | | | |
| | YELLOW | Mini Guide: Display next page quickly. | | | |
| | BLUE | Exit the guide. | | | |
| | INFO | INFO button for the detailed information. Channel Number, Running Time, Status Bar, Parental Level, Video Quality Information (HD/SD), Sound Modes, Subtitle or Teletext, languages of Subtitle or Teletext and brief summary of the highlighted programme are included on the detailed information. "" will be appeared if the summary is long. | | | |

☐ Channel List

For the detailed procedures on using the **Channel List**, refer to the descriptions on pages 13~14.

When the P (\(\lambda \) button is pressed, Channels will be switched within the selected channel list.

- Added Ch.: Channels will be switched within the memorized channel list.
- **Favourite Ch.**: Channels will be switched within the favourite channel list.

☐ Fine Tune (only analogue channels)

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, you may have to fine tune the channel manually.

- Fine tuned channels that have been saved are marked with an asterisk * on the right-hand side of the channel number in the channel banner.
- If you do not store the fine-tuned channel in memory, adjustments are not saved.
- To reset the fine-tuning, select Reset by pressing the ▼ button and then press the ENTER → button.

Managing Channels

Using this menu, you can Add / Delete or set Favourite channels and use the programme guide for digital broadcasts.

- Select a channel in the All Channels, Added Channels, Favourites, or Programmed screen by pressing the ▲ or ▼ buttons, and pressing the ENTER → button. Then you can watch the selected channel.
- · All Channels: Shows all currently available channels.
- · Added Channels: Shows all added channels.
- · Favourites: Shows all favourite channels.
- · Programmed: Shows all current reserved programmes.
- Using the Colour buttons with the Channel List
 - Red (Channel Type): Toggle between your TV, Radio, Data / Other and All.
 - Green (Zoom): Enlarges or shrinks a channel number.
 - Yellow (Select): Selects multiple channel lists.
 - I TOOLS (Tools): Displays the Delete (or Add), Add to Favourite (or Delete from Favourite), Lock (or Unlock), Timer Viewing, Edit Channel Name, Edit Channel Number, Sort, Select All, (or Deselect All), or Auto Store menu. (The Options menus may differ depending on the situation.)





Channel Status Display Icons

| Α | An Analogue channel. | ✓ | A channel selected by pressing the yellow button. |
|---|-------------------------------|----------------|---|
| * | A channel set as a Favourite. | ŏ | A programme currently being broadcast. |
| | A locked channel. | _(C) | A reserved programme |

☐ Channel List Tools Menu (in All Channels / Added Channels / Favourites)

- Press the **TOOLS** button to use the tools menu.
- Option menu items may differ depending on the channel status.

Add / Delete

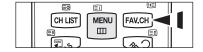
You can delete or add a channel to display the channels you want.

- All deleted channels will be shown on All Channels menu.
- A gray-coloured channel indicates the channel has been deleted.
- The Add menu only appears for deleted channels.
- You can also delete a channel to the Added Channels or Favourite menu in the same manner.

Add to Favourite / Delete from Favourite

You can set channels you watch frequently as favourites.

- Press the TOOLS button to display Tools menu.
 You can also add the favourite channel by selecting Tools → Add to Favourite (or Delete from Favourite).
- The "♥" symbol will be displayed and the channel will be set as a favourite.
- All favourite channels will be shown on Favourite menu.
- To select the Favourite channels you have set up, press the FAV.CH button on the remote control.



Lock / Unlock

You can lock a channel so that the channel cannot be selected and viewed. This function is available only when the **Child Lock** is set to **On**. (see page 22)

- The PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is '0-0-0-0'. You can change the PIN, by selecting **Change PIN** from the menu.
- ☑ The "□" symbol will be displayed and the channel will be locked.

■ Edit Channel Name (only analogue channel)

Channels can labeled so that their call letters appear whenever the channel is selected.

The names of digital broadcasting channels are automatically assigned and cannot be labeled.



■ Edit Channel Number (only digital channel)

You can also edit the channel number by pressing the number buttons on the remote control.

Sort (only analogue channel)

This operation allows you to change the programme numbers of the stored channels. This operation may be necessary after using the auto store.

Timer Viewing

If you reserve a programme you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel. To reserve a programme set the current time first. (See page 24)

- Only memorized channels can be reserved.
- You can set the channel, month, day, year, hour and minute directly by pressing the number buttons on the remote control.
- Reserving a programme will be shown on **Programmed** menu.

Digital Programme Guide and Viewing Reservation

When a digital channel is selected, and you press the ▶ button, the Programme Guide for the channel appears. You can reserve a programme according to the procedures described above.

Select All / Deselect All

- · Select All: You can select all the channels in the channel list.
- Deselect All: You can deselect all the selected channels in the channel list.
- You can perform the add / delete, add to Favourites / delete from Favourites, or lock / unlock function for multiple channels at the same time. Select the required channels and press the yellow button to set all the selected channels at the same time.
- You can only select **Deselect All** when there is a selected channel.

Auto Store

- For further details on setting up options, refer to page 11.
- If a channel is locked using the Child Lock function, the PIN input window appears.

☐ Channel List Tools Menu (in Programmed)

You can view, modify or delete a reservation.

Press the **TOOLS** button to use the tools menu.

Change Info

Select to change a viewing reservation.

Cancel Schedules

Select to cancel a viewing reservation.

Information

Select to view a viewing reservation. (You can also change the reservation information.)

Select All / Deselect All

You can select (or deselect) all channels in the channel list.



Picture Control

Changing the Picture Settings

☐ Mode

You can select the type of picture which best corresponds to your viewing requirements.

- · Dynamic: Selects the picture for high-definition in a bright room.
- Standard: Selects the picture for the optimum display in a normal environment.
- Eco: Selects the picture for optimum and eye-comfortable display.
- Movie: Selects the picture for viewing movies in a dark room.

Press the TOOLS button to display Tools menu.
 You can also set the picture mode by selecting Tools → Picture Mode.

☐ Cell Light / Contrast / Brightness / Sharpness / Colour / Tint (G/R)

Your television has several setting options that allow you to control the picture quality.

- · Cell Light: Adjusts the pixel brightness.
- Contrast: Adjusts the contrast level of the picture.
- · Brightness: Adjusts the brightness level of the picture.
- · Sharpness: Adjusts the edge definition of the picture.
- Colour: Adjusts Colour saturation of the picture.
- Tint (G/R): Adjusts the Colour tint of the picture.
- Select a picture mode to be adjusted first. The adjusted values are saved for each picture mode.
- When you make changes to Cell Light, Contrast, Brightness, Sharpness, Colour, or Tint (G/R), the OSD will be adjusted accordingly.
- In Analogue TV, Ext., AV modes of the PAL system, you cannot use the Tint Function.
- In PC mode, you can only make changes to Cell Light, Contrast and Brightness.
- Settings can be adjusted and stored for each external device you have connected to an input of the TV.
- The energy consumed during use can be significantly reduced if the level of brightness of the picture is reduced, and then this will reduce the overall running cost.

□ Advanced Setting

You can adjust the detailed settings for your screen including the color and contrast.

- Advanced Setting is available in Standard or Movie mode.
- In PC mode, you can only make changes to Dynamic Contrast, Gamma and White Balance from among the Advanced Setting items.

■ Black Tone → Off / Dark / Darker / Darkest

You can select the black level on the screen to adjust the screen depth.

■ Dynamic Contrast → Off / Low / Medium / High

You can adjust the screen contrast so that the optimal contrast is provided.

Gamma

You can adjust the primary colour Intensity.

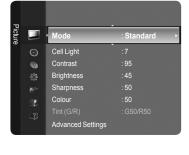
Colour Space

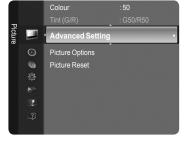
Colour Space is a colour matrix composed of red, green and blue colours. Select your favourite colour space to experience the most natural colour.

- Auto: Automatically sets the color range depending on the input video source.
- · Native: Sets the color range wider than the that of the input video source.
- Custom: Adjusts the color range to suit your preference.

Customizing the Colour Space

- Colour → Red / Green / Blue / Yellow / Cyan / Magenta
- Adjusts the Colour range to suit your preference. Colour is available when Colour Space is set to Custom.
- Red / Green / Blue: In Colour, you can adjust the RGB values for the selected colour.
- Reset: Resets the colour space to the default values.





White Balance

You can adjust the colour temperature for more natural picture colours.

- R-Offset / G-Offset / B-Offset / R-Gain / G-Gain / B-Gain: Changing the adjustment value will refresh the adjusted screen.
- · Reset: The previously adjusted white balance will be reset to the factory defaults.

Flesh Tone

You can adjust the flesh tone to be more or less red.

Changing the adjustment value will refresh the adjusted screen.

■ Edge Enhancement → Off / On

You can emphasize object boundaries in the picture.

■ xvYCC → Off / On

Setting the xvYCC mode to on increases detail and colour space when watching movies from an external device (i.e. DVD player).

y xyYCC is available when the picture mode is set to Movie, and the external input is set to HDMI or Component mode.

□ Picture Options

You can customize the additional picture settings to suit your preference.

In PC mode, you can only make changes to the Colour Tone, Size and Screen Burn Protection from among the items in Picture Options.

■ Colour Tone → Cool / Normal / Warm1 / Warm2 / Warm3

You can select the most comfortable colour tone to your eyes.

- The adjusted values are stored according to the selected Picture mode.
- Warm1, Warm2, or Warm3 is only activated when the picture mode is Movie.

Size

You can select the picture size which best corresponds to your viewing requirements.

- Auto Wide: Sets the picture in Auto Wide format.
- 16:9: Sets the picture to the 16:9 aspect ratio.
- Wide Zoom: Magnify the size of the picture more than 4:3.
- Zoom: Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size.
- 4:3: Sets the picture to the 4:3 aspect ration.
- Screen Fit: Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p) or Component (1080i/1080p) signals are input.
 - The picture size options may vary depending on the input source.
 - The items available may differ depending on the selected mode.
 - In PC Mode, only 16:9 and 4:3 mode can be adjusted.
 - Settings can be adjusted and stored for each external device you have connected to an input of the TV.
 - Temporary image retention may occur when viewing a static image on the set for more than two hours.
 - Ø After selecting Wide Zoom mode: Press the ▶ button to select Position, then press the ENTER button. Press the ▲ or ▼ button to move the screen up / down. Then press the ENTER button.
 - Ø After selecting Zoom mode: Press the ▶ button to select Position, then press the ENTER → button. Press the ▲ or ▼ button to move the picture up and down. Then press the ENTER → button. Press the ▶ button to select Size, then press the ENTER → button. Press the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction. Then press the ENTER → button.
 - After selecting Screen Fit in HDMI (1080i/1080p) or Component (1080i/1080p) mode: Select Position by pressing the
 or ▶ button. Use the ▲, ▼, ◄ or ▶ button to move the picture.
 - Reset: Press the
 or
 button to select Reset, then press the ENTER
 button. You can initialize the setting.
 - If you use the Screen Fit function with HDMI 720p input, 1 line will be cut at the top, bottom, left and right as in the overscan function.
- You can select these options simply by pressing the P.SIZE button on the remote control.

Screen Mode

When setting the picture size to **Auto Wide** in a 16:9 wide TV, you can determine the picture size you want to see the 4:3 WSS (Wide Screen Service) image or nothing. Each individual European country requires different picture size so this function is intended for users to select it.

- 16:9: Sets the picture to the 16:9 aspect ratio.
- Wide Zoom: Select this menu to view 4:3 aspect ratio pictures over a 16:9 aspect ratio TV by stretching the 4:3 picture
 vertically.
- Zoom: Stretches the 16:9 aspect ratio picture vertically.
- 4:3: Selects the screen mode as 4:3.
- This function is available in Auto Wide mode.
- $\ensuremath{{\mathbb Z}}$ This function is not available in $\ensuremath{\textbf{Component}}$ or $\ensuremath{\textbf{HDMI}}$ mode.



TTX/MIX

I-II

DUAL

MEDIA P P.SIZE

SUBT.

Continued...

■ Digital NR → Off / Low / Medium / High / Auto

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

When the signal is weak, select one of the other options until the best picture is displayed.

■ HDMI Black Level → Normal / Low

You can directly select the black level on the screen to adjust the screen depth.

This function is active only when the external input connects to HDMI (RGB signals).

■ 1080 Full HD Motion Demo → Off / On

Samsung' new generation PDP panels deliver stunning Full HD motion clarity when viewing fast action sports, movies, and games.

This function is not available in PC, Game, or Media Play mode.

Film Mode

You can optimize the picture mode for watching movies.

- . Off: Turn the film mode function off.
- Auto1: Automatically adjusts the picture for the best quality when watching a film.
- · Auto2: Automatically optimizes the video text when watching a film.
- Film Mode is supported in TV, AV, COMPONENT(480i/1080i) and HDMI(480i/1080i).
- Film Mode is not supported in DTV channel with resolution 576p/720p.

■ Blue Only Mode → Off / On

This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the Color and Tint of video equipment such as DVD players, Home Theaters, etc.

Blue Only Mode is available when the picture mode is set to Movie or Standard.

Screen Burn Protection

Configures the Screen Burn Protection Options to prevent and reduce pixel burn.

When an image remains in one position too long, it may cause a permanent burn on the screen.

- Pixel Shift: To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical) and side to side (Horizontal). The Time setting allows you to program the time between movement of the picture in minutes.
 - Set Pixel Shift to On by pressing the ▲ or ▼ button, then press the ENTER → button.
 - Select the required option by pressing the ▲ or ▼ button, then press the ENTER → button.
 - Available options: Horizontal, Vertical, Time.
 - Optimum condition for pixel shift

| | Item | TV/Ext/AV/Component/HDMI/PC |
|---------------|---------|-----------------------------|
| Horizontal | 0~4 | 2 |
| Vertical | 0~4 | 4 |
| Time (minute) | 1~4 min | 2 min |

- The Pixel Shift value may differ depending on the monitor size (inches) and mode.
- This function is not available in the Screen Fit mode.
- Scrolling: This function helps remove after images on the screen by moving all the pixels on the PDP according to a pattern
 Use this function when there are remaining after images or symbols on the screen especially when you displayed a still image
 on the screen for a long time.
- Side Grey: When you watch TV with the screen ratio of 4:3, the screen is prevented from any damage by adjusting the white balance on both extreme left and right sides.
 - Light: When you set the screen ratio to 4:3, it brightens the left and right sides.
 - Dark: When you set the screen ratio to 4:3, it darkens the left and right sides.

☐ Picture Reset → Reset Picture Mode / Cancel

Resets all picture settings to the default values.

 $\ensuremath{ \mathbb{Z}}$ Select a picture mode to be reset. The reset is performed for each picture mode.



Setting up the TV with your PC

Preset: Press the **SOURCE** button to select **PC** mode.

□ Auto Adjustment

Auto Adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.

This function does not work in DVI-HDMI mode.

Press the TOOLS button to display Tools menu.
You can also set the adjustment by selecting Tools → Auto Adjustment.

Brightness : 45 Sharpness : 50 Auto Adjustment Screen Advanced Setting Picture Options Picture Reset

□ Screen

Coarse

Adjusts the frequency when vertical noise appears on the screen.

Fine

Adjusts the screen to be clearer.

PC Position

Adjust the PC's screen positioning if it does not fit the TV screen. Press the ▲ or ▼ button to adjusting the Vertical-Position. Press the ◀ or ▶ button to adjust the Horizontal-Position.

Image Reset

You can replace all image settings with the factory default values.

PC Display

☐ Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

- 1. First, click on 'Control Panel' on the Windows start menu.
- 2. When the control panel window appears, click on 'Appearance and Themes' and a display dialog-box will appear.
- When the control panel window appears, click on 'Display' and a display dialog-box will appear.
- 4. Navigate to the 'Settings' tab on the display dialog-box.

The correct size setting (resolution)
Optimum: 1920 X 1080 pixels

If a vertical-frequency option exists on your display settings dialog box, the correct value is '60' or '60 Hz'. Otherwise, just click 'OK' and exit the dialog box.



□ Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution. The resolutions in the table are recommended.

D-Sub and HDMI/DVI Input

| Mode | Resolution | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock Frequency (MHz) | Sync Polarity (H/V) |
|-----------------------|--------------|----------------------------|-------------------------|-----------------------------|---------------------|
| IBM | 640 x 350 | 31.469 | 70.086 | 25.175 | +/- |
| IDIVI | 720 x 400 | 31.469 | 70.087 | 28.322 | -/+ |
| | 640 x 480 | 35.000 | 66.667 | 30.240 | -/- |
| MAC | 832 x 624 | 49.726 | 74.551 | 57.284 | -/- |
| | 1152 x 870 | 68.681 | 75.062 | 100.000 | -/+ |
| | 720 x 576 | 35.910 | 59.950 | 32.750 | -/+ |
| | 1152 x 864 | 53.783 | 59.959 | 81.750 | -/+ |
| VESA CVT | 1280 x 720 | 44.772 | 59.855 | 74.500 | -/+ |
| | 1280 x 720 | 56.456 | 74.777 | 95.750 | -/+ |
| | 1280 x 960 | 75.231 | 74.857 | 130.000 | -/+ |
| | 640 x 480 | 31.469 | 59.940 | 25.175 | -/- |
| | 640 x 480 | 37.861 | 72.809 | 31.500 | -/- |
| | 640 x 480 | 37.500 | 75.000 | 31.500 | -/- |
| | 800 x 600 | 37.879 | 60.317 | 40.000 | +/+ |
| | 800 x 600 | 48.077 | 72.188 | 50.000 | +/+ |
| | 800 x 600 | 46.875 | 75.000 | 49.500 | +/+ |
| | 1024 x 768 | 48.363 | 60.004 | 65.000 | -/- |
| | 1024 x 768 | 56.476 | 70.069 | 75.000 | -/- |
| | 1024 x 768 | 60.023 | 75.029 | 78.750 | +/+ |
| VESA DMT | 1152 x 864 | 67.500 | 75.000 | 108.000 | +/+ |
| | 1280 x 800 | 49.702 | 59.810 | 83.500 | -/+ |
| | 1280 x 800 | 62.795 | 74.934 | 106.500 | -/+ |
| | 1280 x 960 | 60.000 | 60.000 | 108.000 | +/+ |
| | 1280 x 1024 | 63.981 | 60.020 | 108.000 | +/+ |
| | 1280 x 1024 | 79.976 | 75.025 | 135.000 | +/+ |
| | 1360 x 768 | 47.712 | 60.015 | 85.500 | +/+ |
| | 1440 x 900 | 55.935 | 59.887 | 106.500 | -/+ |
| | 1440 x 900 | 70.635 | 74.984 | 136.750 | -/+ |
| | 1680 x 1050 | 65.290 | 59.954 | 146.250 | -/+ |
| VECA CTE | 1280 x 720 | 52.500 | 70.000 | 89.040 | -/+ |
| VESA GTF | 1280 x 1024 | 74.620 | 70.000 | 128.943 | -/- |
| VESA DMT / DTV CEA | 1920 x 1080p | 67.500 | 60.000 | 148.500 | +/+ |

- When using an HDMI / DVI cable connection, you must use the **HDMI IN 2 (DVI)** jack.
- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.

Sound Control

Changing the Sound Setting

■ Mode → Standard / Music / Movie / Clear Voice / Custom

You can select the type of special sound effect to be used when watching a given broadcast.

Press the TOOLS button to display Tools menu.
 You can also configure the sound mode by selecting Tools → Sound Mode.

Equalizer

The sound settings can be adjusted to suit your personal preferences.

- Mode: You can select a sound mode to suit your personal preferences.
- Balance: Controls the balance between the right and left speakers.
- 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): To adjust the level of different bandwidth frequencies.
- · Reset: Resets the equalizer settings to the default values.

\square SRS TruSurround HD \rightarrow Off / On

SRS TruSurround HD is the combined technology of TruSurround and FOCUS, TruBass.

SRS TruSurround HD is down mixing technology that makes the Surround Sound effect of virtual 5.1 channel via two speakers. This function provide not only rich deep bass at a low-pitched sound but also improve the resolution at a high-pitched sound.

Press the TOOLS button to display Tools menu.
You can also set the SRS TruSurround HD by selecting Tools → SRS TS HD.

Tools → SRS TS HD.

Press the TOOLS button to display Tools menu.

You can also set the SRS TruSurround HD by selecting Tools → SRS TS HD.

To



TruSurround HD, SRS and the (●) symbol are trademarks of SRS Labs, Inc.
TruSurround HD technology is incorporated under license from SRS Labs, Inc.

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SRS TruSurround HD : Off

☐ Audio Language (only digital channel)

You can change the default value for audio languages. Displays the language information for the incoming stream.

You can only select the language among the actual languages being broadcast.

☐ Audio Format → MPEG / Dolby Digital (only digital channel)

When sound is emitted from both the main speaker and the audio receiver, a sound echo may occur due to the decoding speed difference between the main speaker and the audio receiver. In this case, use the TV Speaker function.

You can only select the language among the actual languages being broadcast.

DOLBY DIGITAL PLUS

Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

☐ Audio Description (only digital channel)

This is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the Main audio from the broadcaster. Users can turn the Audio Description On or Off and control the volume.

■ Audio Description → Off / On

Turn the audio description function on or off.

Volume

You can adjust the audio description volume.

Volume is active when **Audio Description** is set to **On**.

□ Auto Volume → Off / On

Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

☐ Speaker Select → External Speaker / TV Speaker

If you want to hear the sound through separate speakers, cancel the internal amplifier.

- The _______+, of MUTE buttons do not operate when the Speaker Select is set to External Speaker.
- If you select External Speaker in the Speaker Select menu, the sound settings will be limited.

| | TV's Internal Speakers | Audio Out (Optical, L / R Out) to Sound System | |
|---------------------------------|------------------------|--|--|
| TV / AV / Component / PC / HDMI | | TV / AV / Component / PC / HDMI | |
| TV Speaker | Speaker Output | Sound Output | |
| External Speaker Mute | | Sound Output | |
| Video No Signal | Mute | Mute | |

□ Sound Reset → Reset All / Reset Sound Mode / Cancel

You can restore the Sound settings to the factory defaults.

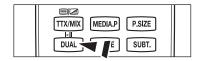


Selecting the Sound Mode

When you set to **Dual I II**, the current sound mode is displayed on the screen.

| | Type of broadcast | | On-screen indica | tion |
|--------|---------------------------------------|-------------------|-------------------|-------------------------|
| | Regular broadcast (Standard audio) | | Mono (Normal us | se) |
| NICAM | Regular + NICAM Mono | NICAM | \leftrightarrow | Mono (Normal) |
| Stereo | NICAM-Stereo | NICAM Stereo | \leftrightarrow | Mono (Normal) |
| | NICAM Dual-I/II | NICAM Dual-1 → | NICAM Dual-2 | → Mono (Normal) |
| A2 | Regular broadcast (Standard audio) | | Mono (Normal us | se) |
| | Bilingual or DUAL-I/II | Dual I | \leftrightarrow | Dual II |
| Stereo | Stereo | Stereo | \leftrightarrow | Mono (Forced mono) |

- If the stereo signal is weak and an automatic switching occurs, then switch to the mono.
- This function is only activated in stereo sound signal. It is deactivated in mono sound signal.
- $\ensuremath{\mathbb{Z}}$ This function is only available in $\ensuremath{\mathsf{TV}}$ mode.
- You can select these options simply by pressing the DUAL button on the remote control.



Function Description

Configuring the Setup Menu

☐ Game Mode

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting the game menu.

When the Game Mode is On

- Picture Mode is automatically changed to Standard and users cannot change the mode.
- Sound Mode is automatically changed to Custom and users cannot change the mode. Adjust the sound using the equalizer.
- The Reset in the Sound menu is activated. Reset function initializes the Equalizer settings to the factory default setting.
- Game Mode is not available in regular TV mode or Game Mode set to Off.
- [7] If the picture is poor when external device is connected to TV, check if Game Mode is On.
- This function supports only game function.
- If you display the TV menu in Game mode, the screen shakes slightly.
- The mark (M) appears on the screen which means that Game Mode is on with the selected source.
- Game mode is not available in PC mode.

□ Child Lock → Off / On

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio

- Before the setup screen appears, the PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is '0-0-0-0'. You can change the PIN by selecting Change PIN from the menu.
- You can lock some channels in Channel List. (refer to page 13)
- Child Lock is available only in TV mode.

□ Change PIN

You can change your personal ID number that is required to set up the TV.

- Before the setup screen appears, the PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is '0-0-0-0'.

□ Parental Lock

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user.

- Before the setup screen appears, the PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is '0-0-0-0'. You can change the PIN by selecting Change PIN from the menu.
- When the parental ratings are set, the "
 symbol is displayed.
- Allow All: Press to unlock all TV ratings.
 Block All: Press to lock all TV ratings.

□ Subtitle

You can activate and deactivate the subtitles. Use this menu to set the Subtitle Mode. **Normal** under the menu is the basic subtitle and **Hard of hearing** is the subtitle for a hearing-impaired person.

- Subtitle → Off / On: Switches subtitles off or on.
- Mode → Normal / Hard of hearin: Sets the subtitle mode.
- Subtitle Language: Set the subtitle language.
- If the programme you are watching does not support the Hard of hearing function, Normal automatically activates even though Hard of hearing mode is selected.
- English is the default in cases where the selected language is unavailable in the broadcast.
- You can select these options simply by pressing the SUBT. button on the remote control.





| Teletext Language You can set the Teletext language by selecting the language type. ☑ English is the default in cases where the selected language is unavailable in the broadcast. |
|--|
| Preference |
| Primary Audio Language / Secondary Audio Language / Primary Subtitle Language / Secondary Subtitle Language / Primary Teletext Language / Secondary Teletext Language / Using this feature, users can select one of the languages. The language selected here is the default when the user selects a channel. If you change the language setting, the Subtitle Language, Audio Language, and the Teletext Language of the Language menu are automatically changed to the selected language. The Subtitle Language, Audio Language, and the Teletext Language of the Language menu show a list of languages supported by the current channel and the selection is highlighted. If you change this language setting, the new selection is only valid for the current channel. The changed setting does not change the setting of the Primary Subtitle Language, Primary Audio Language, or the Primary Teletext Language of the Preference menu. |
| Digital Text → Disable / Enable (Not available in all locations) If the programme is broadcast with digital text, this feature is enabled. MHEG (Multimedia and Hypermedia Information Coding Experts Group) An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes datalinking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On- Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing, digital libraries and network games. |
| Melody → Off / Low / Medium / High The TV power on / off melody sound can be adjusted. The Melody does not play - When no sound is output from the TV because the MUTE button has been pressed. - When no sound is output from the TV because the — (Volume) button has been pressed. - When the TV is turned off by Sleep Timer function. |
| Energy Saving This feature adjusts the brightness of the TV in order to reduce power consumption. When watching TV at night, set the Energy Saving mode option to High to reduce eye fatigue as well as power consumption. Off: Turns off the energy saving function. Low: Sets the TV to low energy saving mode. Medium: Sets the TV to medium energy saving mode. |

- **High**: Sets the TV to high energy saving mode.
- Press the TOOLS button to display Tools menu. You can also set the energy saving option by selecting Tools → Energy Saving.

Setting the Time

□ Clock

Setting the clock is necessary in order to use the various timer features of the TV.

- The current time will appear every time you press the INFO button.
- If you disconnect the power cord, you have to set the clock again.

Clock Mode

You can set up the current time manually or automatically.

- Auto: Set the current time automatically using the time from the digital broadcast.
- · Manual: Set the current time to a manually specified time.

Clock Set

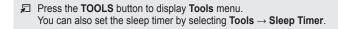
You can set the current time manually.

- Set up this item when you have set Clock Mode to Manual.
- You can set the Day, Month, Year, Hour, Minute directly by pressing the number buttons on the remote control.

□ Sleep Timer → Off / 30 min / 60 min / 90 min / 120 min / 150 min / 180 min

The sleep timer automatically shuts off the TV after a preset time.

- The TV automatically switches to standby mode when the timer reaches 0.
- To cancel the **Sleep Timer** function, select **Off**.



☐ Timer 1 / Timer 2 / Timer 3

Three different on / off timer settings can be made.

- On Time: Set the hour, minute, and Activate / Inactivate.
 (To activate timer with the setting you've chosen, set to Activate.)
- Off Time: Set the hour, minute, and Activate / Inactivate.
 (To activate timer with the setting you've chosen, set to Activate.)
- Volume: Set the required volume level.
- · Source : Selects TV or USB device.
 - When you select the TV, you can set the Antenna and Channel.
 - Antenna: Select ATV or DTV.
 - Channel: Select the desired channel.
 - When you select the USB, you can set the Contents.
 - Contents: Selects the desired contents on the USB.
- Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun, or Manual.
 - When Manual is selected, press the ▶ button to select the desired day of the week. Press the ENTER

 button over the desired day and the

 mark will appear.

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 - You must set the clock first.
- You can set the hour, minute by pressing the number buttons on the remote control.

Auto Power Off

When you set the timer On, the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by the timer. This function is only available in timer On mode and prevents overheating, which may occur if a TV is on for too long time.





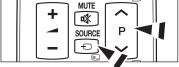
Source List / Edit Name

□ Source List

Use to select TV or other external input sources such as DVD players or Cable Box / Satellite receivers (Set-Top Box) connected to the TV. Use to select the input source of your choice.

- TV, AV1, AV2, Component1, Component2, PC, HDMI1, HDMI2/DVI, HDMI3, HDMI4, USB.
 - You can choose only those external devices that are connected to the TV. In the Source List, connected inputs will be highlighted and sorted to the top. Inputs that are not connected will be sorted to the bottom.
 - PC always stays activated.
 - Using the Colour buttons on the remote with the Source list
 - Red (Refresh): Refreshes the connecting external devices.
 - \$\frac{1}{2}\$ TOOLS (Tools): Displays the **Edit Name** and **Information** menus.
 - Press the SOURCE button on the remote control to view an external signal source. TV mode can be selected by pressing the TV button, number buttons (0~9), and the P ∧ / ∨ button on the remote control.





☐ Edit Name

VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI / DVI PC / TV / IPTV / Blu-ray / HD DVD / DMA

You can name the device connected to the input jacks to make your input source selection easier.

- When a PC with a resolution of 1920x1080@60Hz is connected to the HDMI IN 2 (DVI) port, you should set the HDMI2/DVI mode to PC in the Edit Name of the Input mode.
- When connecting an HDMI/DVI cable to the HDMI IN 2(DVI) port, you should set the HDMI2/DVI mode to DVI or DVI PC in the Edit Name of the Input mode. In this case, a separate sound connection is required.

Supported Program

Self Diagnosis

Picture Test

If you think you have a picture problem, perform the picture test. Check the color pattern on the screen to see if the problem still exists.

- **Does the problem still exist with this test photo?** appears on the screen.If the test pattern does not appear or there is noise in the test pattern, select Yes. If the test pattern is properly displayed, select **No**.
- Yes: There may be a problem with the TV. Contact Samsung's Call Center for assistance.
- No: There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to
 the external device's user manual.

Sound Test

If you think you have a sound problem, please perform the sound test. You can check the sound by playing a built-in melody sound through the TV.

- Does the problem still exist with this sound test? appears on the screen. If during the sound test you can hear sound only from one speaker or not at all, select Yes. If you can hear sound from the speakers, select No.
- Yes: There may be a problem with the TV. Contact Samsung's Call Center for assistance.
- No: There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to
 the external device's user manual.
- If you hear no sound from the TV's speakers, before performing the sound test, make sure Speaker Select is set to TV speaker in the Sound menu.
- If headphones are connected, the test melody will play through the headphones.

Signal Strength (Digital channels only)

You can adjust your antenna to improve the reception of available digital channels.

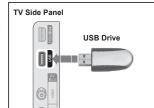
- If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.
- If you hear no sound from the TV's speakers, before performing the sound test, make sure Speaker Select is set to TV speaker in the Sound menu.
- If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength.
- Continue to adjust the antenna until you find the best position with the strongest signal.

□ Software Upgrade

To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

■ By USB

Insert a USB drive containing the firmware upgrade into TV. Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.



By Channel

Upgrades the software using the broadcasting signal.

Standby Mode Upgrade

To continue software upgrade with master power on, select on by pressing the ▲ or ▼ button. 45 minutes after entering standby mode, a manual upgrade is automatically conducted. Since the power of the unit is turned on internally, the screen may be on slightly for the product. This phenomenon may continue for more than 1 hour until the software upgrade is completed.

Alternative Software

Replace the current software with the alternative.

□ HD Connection Guide

The brief instruction on **How to get the best performance from your HD TV** is displayed. We offer the connection method for HD devices.

You can change previous or next page by pressing the

 or ▶ button.

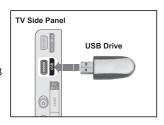
Contact Samsung

You can know the Samsung Call center, website and information for product.

Media Play

Connecting a USB Device

- Press the POWER button to turn the TV on.
- Connect a USB device containing photo, music and movie files to the USB jack on the side of the TV.
- If you enter the Media Play mode with no USB device connected the message No external storage device found. Check the connection status. will appear. In this case, insert the USB device, exit the screen by pressing the MEDIA.P button on the remote control and enter the Media Play screen again.
- Media Play only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)
- MTP (Media Transfer Protocol) is not supported.
- The file system only supports FAT16/32 (The NTFS file system is not supported).
- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB compatibility problem.
- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- Do not disconnect the USB device while it is loading.
- MSC supports MP3 and JPEG files, while a PTP device supports JPEG files only.
- The sequential JPEG format is supported.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360X8640 pixels.
- For unsupported or corrupted files, the **Not Supported File Format** message is displayed.
- If the number of photo files exceeds 4000 (or the number of music files exceeds 3000), any files exceeding the 4000 limit may not be displayed in the Photo List (or Music List).
- MP3 files with DRM that have been downloaded from a non-free site cannot be played.
- MP3 files with DRM downloaded from pay sites are not played.
- DRM(Digital Rights Management) prevents illegal uses of digital media for copyright protection.
- When moving to a photo, loading may take a few seconds. At this point, the loading icon will appear at the screen.



Using the Media Play Function

This function enables you to view and listen to photo, music and movie files saved on a USB Mass Storage Class (MSC) device.

☐ Entering the Media Play Menu

- 1. Press the **MENU** button. Press the ▲ or ▼ button to select Application, then press the **ENTER** → button.
- Press the ▲ or ▼ button to select Media Play (USB), then press the ENTER button.
 - The Media Play menu is displayed.
 - Press the SOURCE button on the remote control repeatedly to select USB, then press the ENTER button.
 - Press the MEDIA.P button on the remote control to display the Media Play menu.
- Press the Red button, then press the ▲ or ▼ button to select the corresponding USB Memory Device (i.e. if connected through a hub). Press the ENTER ☐ button
 - This function differs depending on the USB Memory Device connected to TV.
 - The selected USB device name appears at the bottom left of the screen.
- Press the ◀ or ▶ button to select an icon (Photo, Music, Setup), then press the ENTER ➡ button.
 - To exit Media Play mode, press the MEDIA.P button on the remote control.

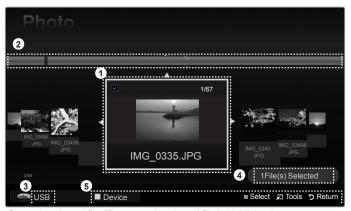




□ Removing a USB Memory Device Safely

- Press the TOOLS button in the Media Play file list screen, or while a SlideShow or music file is being played.
- Press the ▲ or ▼ button to select Remove Safely, then press the ENTER button.
- 3. Remove the USB device from the TV.





- 1. Currently selected file: The currently selected file is highlighted.
- 2. View Groups: The sorting group including the currently selected photo is highlighted.
- 3. Current Device: Shows the currently selected device name.
- 4. Item Selection Information: Shows the number of photos that are selected by pressing the Yellow button.
- 5. Help Items
 - · Red (Device) button: Selects a connected device.
 - Yellow (Select) button: Selects file from the file list. Selected files are marked with a symbol

 ✓. Press the yellow button again
 to cancel a file selection.
 - 🖫 TOOLS (Tools) button: Displays the option menus. (The tools menu changes according to the current status.)
 - 5 Return (Return) button: Return to previous menu.



☐ Using the Remote Control Button in Media Play Menu

| Button | Operations | | |
|---|---|--|--|
| ▲/▼/◄/ ► | Move the cursor and select an item. | | |
| Select the currently selected item. Play or pause the files while playing the slide show or music files. | | | |
| > / II | Play or pause the Slide Show or Music file. | | |
| RETURN Return to the previous menu. | | | |
| TOOLS Run various functions from the Photo, Music and Movie menus. | | | |
| Stop the current slide show, Music or Movie file. | | | |
| INFO Show file information. | | | |
| MEDIA.P Exit Media Play mode. | | | |
| P Stop Media Play mode and Returns to TV mode. | | | |
| EXIT | Stop the current function and return to the Media Play main menu. | | |

Using and Sorting Photo List

You can sort photos in the Photo List by a particular standard.

- 1. Press the **MEDIA.P** button on the remote control to display the Media Play menu.
- 2. Press the ◀ or ▶ button to select Photo, then press the ENTER → button.
- Press the (Play)/ENTER button to start the Slide Show in the order selected by the user.
 - The information of a photo file is automatically set.
 - Photos for which information cannot be displayed are set as **Unclassified**.
 - PTP does not support folder sort mode.

☐ Photo List Tools Menu

Slide Show

You can play a Slide Show using the photo files on the USB memory device.

Play Current Group

You can play a Slide Show using only the photo files in the currently selected sorting group.

Information

The photo file information including the name, the size, the resolution, the date modified and the path is displayed.

- You can view the information of photo files during a Slide Show using the same procedures.
- Alternatively, select a photo from the photo list and press the INFO button to view the information.

Remove Safely







Viewing a Photo or Slide Show

☐ Viewing a Slide Show

- 1. Press the ◀ or ▶ button to select the desired photo in the Photo list.
- 2. Press the TOOLS button.
- Press the ▲ or ▼ button to select Slide Show, then press the ENTER → button.
 All files in the photo list will be used for the Slide Show.
- During the slide show, files are displayed in order from the currently shown file.
- The Slide Show progresses in the order sorted in the Photo list.
- Music files can be automatically played during the Slide Show if the Background Music is set to On.





SlideShow Control Buttons

| ENTER⊡ | Play/Pauses the Slide Show. | • | Exit Slide Show and return to the photo list. |
|----------|-----------------------------|---------|---|
| • | Play the Slide Show. | ₽ TOOLS | Run various functions from the Photo menus. |
| Ц | Pause the Slide Show. | ₩/₩ | Change the SlideShow playing speed. |

Playing the selected photo files

- 1. Press the ◀ or ▶ button to select the desired photo in the Photo list.
- 2. Press the yellow button. Repeat the above operation to select multiple photos.
 - $\ensuremath{\mathbb{Z}}$ The $\ensuremath{\checkmark}$ mark appears to the left of the selected photo.
 - To deselect all selected files, press the TOOLS button and select Deselect All.
- 3. Press the (Play) / ENTER dutton.
 - The selected files will be used for the Slide Show.

☐ Slide Show Tools Menu

Stop Slide Show / Start Slide Show

You can start or stop a SlideShow.

Slide Show Speed → Normal / Slow / Fast

You can select the slide show speed only during the slide show.

You can also change the speed of the Slide Show by pressing the (REW) or (FF) button during the Slide Show.

■ Rotate → 0°/ 90° / 180° / 270°

You can rotate photos saved on a USB memory device.

The rotated file is not saved.

■ Zoom →x1 / x2 / x4

You can magnify photos saved on a USB memory device.

- The enlarged file is not saved.

Background Music

You can set and select background music when watching a Slide Show.

- To use this feature, there must be music on the USB device.
- Loading music files is needed to change BGM mode. Play music files in music category to load.
- Background Music → On / Off
- · Select Music File
 - If you set Background Music to On, you can select a music file.

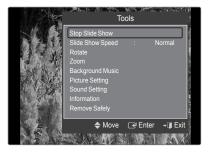
■ Picture Setting / Sound Setting

Refer to page 33.

Information

The photo file information is displayed.

Remove Safely



Using and Sorting the Music List

You can sort music files in the Music List by a particular standard.

- 1. Press the MEDIA.P button on the remote control to display the Media Play menu.
- 2. Press the ◀ or ▶ button to select Music, then press the ENTER → button.
- 3. Press the **ENTER** button to start playing music in the order selected by the user.
 - The information of the music files is automatically set.
 - If there is no title information for a music file, the filename is displayed.

Music Energetic 34 Card kidd M AZ 2005 Prop When I Dream USB ■ Device ■ Select 2 Tools 2 Return

☐ Music List Tools Menu

■ Play Current Group

You can only play music files in the currently selected sorting group.

Information

The music file information including the name, the size, the date modified and the path is displayed.

Alternatively, select a music file from the music list and press the INFO button to view the information.

Remove Safely





Playing a Music

Playing a music file

- 1. Pressing the ◀ or ▶ button to select a music file to be played.
- 2. Press the (Play)/ENTER (button.
 - This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device
 - (REW) or (FF) buttons do not function during play.
 - The selected file is displayed at the top with its playing time.
 - ☑ To adjust the music volume, press the volume button on the remote control.

 To mute the sound, press the

 MUTE button on the remote control.
 - The playing duration of a music file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.



Music Play Control Buttons

| ENTER Play/Pauses the music file. | | • | Exit play mode and return to the music list. | |
|-----------------------------------|----------------------|----------|---|--|
| Þ | Play the music file | | Run various functions from the Music menus. | |
| п | Pause the music file | #1 100L3 | Train various functions from the music menus. | |

Music function information icon

| 9 | When all music files in the folder (or the selected file) are repeated. Repeat Mode is On. |
|---|--|
| G | When all music files in the folder (or the selected file) are played once. Repeat Mode is Off. |

□ Playing the selected music files

- 1. Press the ◀ or ▶ button to select the desired music file in the music list.
- 2. Press the yellow button. Repeat the above operation to select multiple music files.
 - ☑ The
 ✓ mark appears to the left of the selected music file.
 - To deselect all selected files, press the TOOLS button and select Deselect All.
- 3. Press the

 (Play)/ENTER

 button.
 - Only the selected file is played.

■ Music Play Tools Menu

■ Repeat Mode → On/Off

You can play music files repeatedly.

Picture Setting / Sound Setting

Refer to page 33.

Information

The music file information is displayed.

Remove Safely



Picture / Music Settings Using Media Play

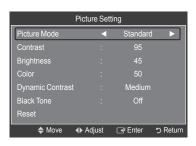
When watching a SlideShow or listening to music using Media Play, you can set the picture and sound.

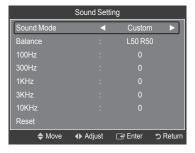
Picture Setting

- 1. Press the **TOOLS** button during a Slide Show or while music is playing.
- 2. Press the ▲ or ▼ button to select Picture Setting.
- Press the ◀ or ▶ button to select the Picture Mode (Dynamic, Standard, Eco, or Movie).
- Press the ▲ or ▼ button to move to an item.
 (Contrast, Brightness, Color, Dynamic Contrast, Black Tone, or Reset)
 Select Reset to initialize the picture settings.
- 5. Press the ◀ or ▶ button to adjust the settings.

Sound Setting

- 1. Press the **TOOLS** button during a Slide Show or while music is playing.
- 2. Press the ▲ or ▼ button to select Sound Setting.
- 3. Press the ◀ or ▶ button to select the Sound Mode. (Standard, Music, Movie, Clear voice, or Custom)
- Press the ▲ or ▼ button to move to an item. (Balance, 100Hz / 300Hz / 1kHz / 3kHz / 10kHz (Bandwidth Adjustment), or Reset)
 Select Reset to initialize the sound settings.
- Press the ◀ or ▶ button to adjust the settings.





Using the Setup Menu

Setup displays the user settings of the Media Play menu.

- 1. Press the MEDIA.P button on the remote control to display the Media Play menu.
- 2. Press the ◀ or ▶ button to select **Setup**, then press the **ENTER** → button.
- 3. Press the ▲ or ▼ button to select the desired option.
- **4** . Press the **◄** or **▶** button to select the option, then press the **ENTER 母** button.
 - To exit Media Play mode, press the MEDIA.P button on the remote control.
- Music Repeat Mode → On / Off Select to repeatedly play music files.
- Screen Saver Run Time → 10 min / 20 min / 40 min / 1 hour Select to set the waiting time before the screen saver appears.
- Information

Select to viewing the information of the connected device.

Remove Safely





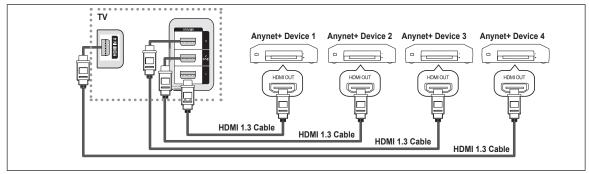
About Anynet+

Connecting Anynet+ Devices

Anynet⁺ is a function that enables you to control all connected Samsung devices that support Anynet⁺ with your Samsung TV's remote.

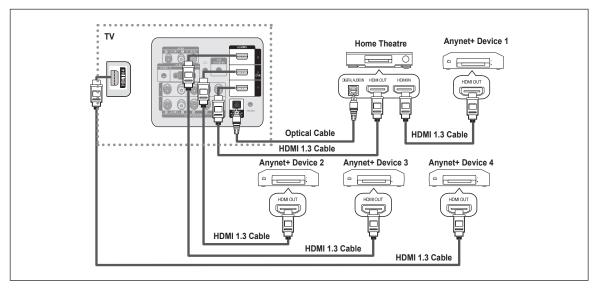
The Anynet⁺ system can be used only with Samsung devices that have the Anynet⁺ feature. To be sure your Samsung device has this feature, check if there is an Anynet⁺ logo on it.

□ To connect to a TV



1. Connect the [HDMI IN 1], [HDMI IN 2 (DVI)], [HDMI IN 3], or [HDMI IN 4] jack on the TV and the HDMI OUT jack of the corresponding Anynet⁺ device using an HDMI cable.

□ To connect to Home Theater



- Connect the [HDMI IN 1], [HDMI IN 2 (DVI)], [HDMI IN 3], or [HDMI IN 4] jack on the TV and the HDMI OUT jack of the
 corresponding Anynet⁺ device using an HDMI cable.
- 2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet⁺ device using an HDMI cable.
- Connect the Optical cable between the DIGITAL AUDIO OUT (OPTICAL) jack on your TV and the Digital Audio Input on the Home Theater.
- When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the Digital Audio Out (Optical) jack on the DVD player or Cable/Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV.
- Connect only one Home Theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet+

The following settings help set the Anynet+ functions.

Press the TOOLS button to display Tools menu.
 You can also display Anynet+ menu by selecting Tools → Anynet+(HDMI-CEC).

□ Setup

■ Anynet+(HDMI-CEC) → Off / On

To use the Anynet+ Function, Anynet+ (HDMI-CEC) must be set to On.

When the Anynet+ (HDMI-CEC) function is disabled, all the Anynet+ related operations are deactivated.

■ Auto Turn Off → No / Yes

Setting an Anynet+ Device to turn Off Automatically when the TV is Turned Off

- The active source on the TV remote must be set to TV to use the Anynet⁺ function.
- If you set Auto Turn Off to Yes, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.







Scanning and Switching between Anynet+ Devices

- Press the TOOLS button. Press the ENTER button to select Anynet+ (HDMI-CEC).
- 2. Press the ▲ or ▼ button to select **Device List**, then press the **ENTER** → button.
 - Anynet+ devices connected to the TV are listed. If you cannot find a device you want, press the red button to scan for devices.
 - Only when you set Anynet+ (HDMI-CEC) to On in the Setup menu, the Device List menu appears.
- Press the ▲ or ▼ button to select to a particular device and press the ENTER ➡ button. It is switched to the selected device.
- Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
- The time required to scan for devices is determined by the number of connected devices.
- When the device scan is complete, the number of devices found are not displayed.
- Although the TV automatically searches the device list when the TV is turned on via the power button, devices connected to the TV when the TV is on or under some conditions are not automatically displayed in the device list. Press the red button to search for the connected device.
- If you have selected external input mode by pressing the SOURCE button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the Device List.



Continued...

□ Anvnet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

| Anynet+ Menu | Description |
|-------------------------------|---|
| View TV | Anynet+ mode changes to TV broadcast mode. |
| Device List | Shows the Anynet+ device list. |
| (device_name) MENU | Shows the connected device menus. E.g. If a DVD recorder is connected, the disc menu of the DVD recorder will appear. |
| (device_name) INFO | Shows the play menu of the connected device. E.g. If a DVD recorder is connected, the play menu of the DVD recorder will appear. |
| Record: (*recorder) | Starts recording immediately using the recorder. (This is only available for devices that support the recording function.) |
| (*recorder) Reserve Recording | Enables reserving a recording for the recorder. (This is only available for devices that support the recording reservation function.) |
| Stop Recording: (*recorder) | Stops recording. |
| Receiver | Sound is played through the receiver. |

If more than one recording device is connected, they are displayed as (*recorder) and if only one recording device is connected, it will be represented as (*device_name).

☐ TV Remote Control Buttons Available in Anynet+ Mode

| Device Type | Operating Status | Available Buttons | |
|----------------------------|--|--|--|
| Anynet+ Device | After switching to the device, when the menu of the corresponding device is displayed on the screen. | Numeric buttons ▲/▼/◄/►/ENTER☐ buttons Colour buttons / EXIT button | |
| · | After switching to the device, while playing a file | (Backward search) / (Forward search) (Stop) / (Play) / (Pause) | |
| Device with built-in Tuner | After switching to the device, when you are watching a TV programme | P button | |
| Audio Device | When Receiver is activated | ■ ★ / = button ■ MUTE button | |

- The Anynet+ function only works when the active source on the TV remote control is set to TV.
- The button works only while in the recordable state.
- You cannot control Anynet+ devices using the buttons on the TV. You can control Anynet+ devices only using the TV remote control.
- The TV remote control may not work under certain conditions. In this case, reselect the Anynet+ device.
- The Anynet+ functions do not operate with other manufacturers' products.
- The , poperations may differ depending on the device.

Recording

You can make a recording of a TV programme using a Samsung recorder.

- Press the TOOLS button. Press the ENTER button to select Anynet+ (HDMI-CEC).
- Press the ▲ or ▼ button to select Record: (device_name), then press the ENTER
 button. Recording begins.
 - When there is more than one recording device

When multiple recording devices are connected, the recording devices are listed. Press the ▲ or ▼ button to select a recording device and press the ENTER ⊎ button. Recording begins.

- When the recording device is not displayed Select Device List and press the red button to search devices.
- You can record the source streams by selecting Record: (device_name).
- Pressing the button will record whatever you are currently watching. If you are watching video from another device, the video from the device is recorded.
- Before recording, check whether the antenna jack is properly connected to the recording device. To properly connect an antenna to a recording device, refer to the recording device's users manual.

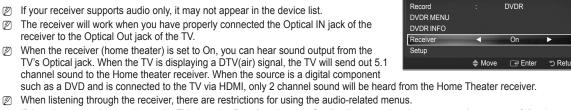


Listening through a Receiver (Home theater)

You can listen to sound through a receiver instead of the TV speaker.

- Press the TOOLS button. Press the ENTER button to select Anynet+ (HDMI-CEC).
- 2. Press the ▲ or ▼ button to select Receiver. Press the ◄ or ▶ button to select On or Off.

- channel sound to the Home theater receiver. When the source is a digital component
- If there is a power interruption to the TV when the Receiver is set to On (by disconnecting the power cord or a power failure), the Speaker Select may be set to External Speaker when you turn the TV on again. (see page 21)



Anynet+

View TV

Device List

Troubleshooting for Anynet+

| Symptom | Solution | | |
|---|---|--|--|
| Anynet ⁺ does not work. | Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. Connect only one receiver (home theater). Check if the Anynet+ device power cord is properly connected. Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. Check whether the TV remote control is in TV mode. Check whether it is Anynet+ exclusive remote control. Anynet+ doesn't work in certain situations. (Searching channels, Operating WISELINK Pro, Plug & Play, etc.) When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or turn your TV off and on again. Check if the Anynet+ Function of Anynet+ device is set on. | | |
| I want to start Anynet ⁺ . | Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu. Press the TV button on the TV remote control to switch to TV. Then press the TOOLS button to show the Anynet+ menu and select a menu you want. | | |
| I want to exit Anynet ⁺ . | Select View TV in the Anynet⁺ menu. Press the SOURCE button on the TV remote control and select a device other than Anynet+ devices. (Note that the channel button operates only when a tuner-embedded Anynet⁺ device is not connected.) | | |
| The message Connecting to Anynet+ device appears on the screen. | You cannot use the remote control when you are configuring Anynet ⁺ or switching to a view mode. Use the remote control when the Anynet ⁺ setting or switching to view mode is complete. | | |
| The Anynet ⁺ device does not play. | You cannot use the play function when Plug & Play is in progress. | | |
| The connected device is not displayed. | Check whether or not the device supports Anynet ⁺ functions. Check whether or not the HDMI 1.3 cable is properly connected. Check whether Anynet (HDMI-CEC) is set to On in the Anynet ⁺ setup menu. Search Anynet ⁺ devices again. You can connect an Anynet ⁺ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet ⁺ functions. If it is terminated by an abnormal situation such as disconnecting the HDMI cable or power cord or a power failure, please repeat the device scan. | | |
| The TV programme cannot be recorded. | Check whether the antenna jack on the recording device is properly connected. | | |
| The TV sound is not output through the receiver. | Connect the optical cable between TV and the receiver. | | |

Recommendations for Use

Teletext Feature

Most television stations provide written information services via Teletext. The index page of the teletext service gives you information on how to use the service. In addition, you can select various options to suit your requirements by using the remote control buttons.

- For teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

Exit from the teletext display.

② (index)

Used to display the index (contents) page at any time while you are viewing teletext.

Used to store the teletext pages.

4 (size)

Press to display the double-size letters in the upper half of the screen. For lower half of the screen, press it again. To display normal screen, press it once again.

6 (reveal)

Used to display the hidden text (answers to quiz games, for example). To display normal screen, press it again.

(teletext on/mix)

Press to activate teletext mode after selecting the channel providing the teletext service. Press it twice to overlap the teletext with the current broadcasting screen.

(sub-page)

Used to display the available sub-page.

(page up)

Used to display the next teletext page.

(page down)

Used to display the previous teletext page.

Press to select the teletext mode (LIST/FLOF). If you press it in the LIST mode, it switches into the List save mode. In the List save mode, you can save teletext page into list using the [©](store) button.

(hold)

Used to hold the display on a given page if the selected page is linked with several secondary pages which follow on automatically. To resume, press it again.

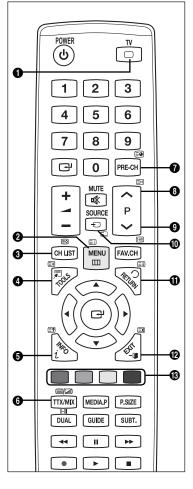
② (cancel)

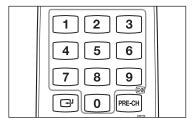
Used to display the broadcast when searching for a page.

Colour buttons (red/green/yellow/blue)

If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to the required. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.

You can change teletext pages by pressing the numeric buttons on the remote control.





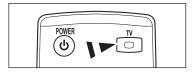
Continued...

The teletext pages are organized according to six categories:

| Part | Contents |
|------|--|
| Α | Selected page number. |
| В | Broadcasting channel identity. |
| С | Current page number or search indications. |
| D | Date and time. |
| Е | Text. |
| F | Status information. |
| | FASTEXT information. |
| Tele | etext information is often divided between several pages displayed in sequ |



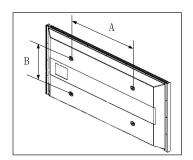
- Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
 - Entering the page number
 - Selecting a title in a list
 - Selecting a coloured heading (FASTEXT system)
- Press the TV button to exit from the teletext display.



Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

| Product Family | inch | VESA Spec. (A * B) | Standard Screw | Quantity |
|----------------|----------|--------------------|----------------|----------|
| | 19" ~22" | 100 * 100 | M4 | |
| | 23"~29" | 200 * 100 | | |
| LCD TV | 30"~40" | 200 * 200 | M6 | |
| LCD-TV | 46"~55" | 400 * 400 | | 4 |
| | 57"~70" | 800 * 400 | M8 | |
| | 80" ~ | 1400 * 800 | | |
| | 42"~ 50" | 400 * 400 | | |
| | 58"~ 63" | 600 * 400 | | |
| PDP-TV | 70" ~ | 800 * 400 | M8 | 4 |
| | 80" ~ | 1400 * 800 | | |



- We provided the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not use screws that do not comply with the VESA standard screw specifications.
 Do not use fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury.
 Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Our 57" and 63" models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this
- Do not exceed 15 degrees tilt when mounting this TV.

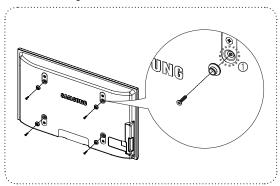


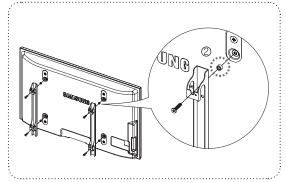
Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Preparing before installing Wall- Mount on the wall

Case A. Installing SAMSUNG Wall-Mount

Case B. Installing other company's Wall-Mount





- Install Wall Mount with the torque range of 15kgf·cm or less. Make sure that parts can be damaged if the torque is out of the specified range.
- 2. Accessory Kit contains Holder-Ring [@] for installing other company's Wall-Mount on Samsung TV. (Case B)
 - Screw down the hole [1] when installing wall-mount on the wall.

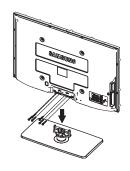
How to assemble the Stand-Base (depending on the model)

Using the screws for securing the stand base and the monitor, firmly attach the monitor to the stand base.

(The exterior of the set may be different than the picture.)





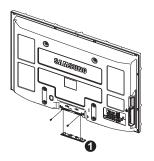


(PS58B550)

Warning

Firmly secure the stand to the TV before moving it, as the stand may fall and could cause serious injury.

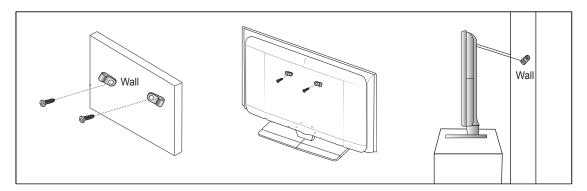
Two or more people should carry the TV. Never lay the TV on the floor because of possible damage to the screen. Always store the TV upright. In case of installing your TV on the wall, close the cover (\P) on the stand-base connection part using two screws for hiding.



Securing the TV to the Wall



Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.



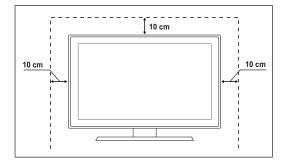
To avoid the TV from falling

- 1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
 - You may need additional material such as an anchor depending on the type of wall.
 - Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 2. Remove the screws from the center back of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
 - Screws may not be supplied with the product.
- 3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong string and then tie the string tightly.
 - Install the TV near to the wall so that it does not fall backwards.
 - It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
 - Until the string before moving the TV.
- 4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

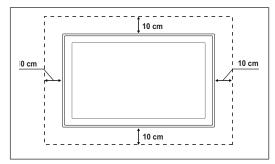
Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation. Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product. Install the product so the required distances shown in the figure are kept.

- When using a stand or wall-mount, use parts provided by Samsung Electronics only.
 - If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
 - If you use parts provided by another manufacturer, it may result in a problem with the product or fire due to an increase in the
 internal temperature of the product due to poor ventilation.
- The appearance may differ depending on the product.
 - When installing the product with a stand



■ When installing the product with a wall-mount



Troubleshooting

Before contacting the Samsung after-sales service, perform the following simple checks. If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

| No sound or picture | Check that the mains lead has been connected to a wall socket. Check that you have pressed the button on your set. Check the picture contrast and brightness settings. Check the volume. Check if Speaker Select is set to External Speaker. |
|--|--|
| Normal picture but no sound | Check the volume. Check whether the ≰ MUTE button has been pressed on the remote control. |
| No picture or black and white picture | Adjust the colour settings. Check that the broadcast system selected is correct. |
| Sound and picture interference | Try to identify the electrical appliance that is affecting the television, then move it further away. Plug the television into a different main socket. |
| Blurred or snowy picture, distorted sound | Check the direction, location and connections of your aerial. This interference often occurs due to the use of an indoor aerial. |
| Remote control malfunctions | Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check that the + and - ends of the batteries are inserted correctly. Check that the batteries are drained. |
| Screen is black and power indicator light blinks steadily | On your computer check; Power, Signal Cable. Move the computer's mouse or press any key on the keyboard. On your equipment check (STB, DVD, etc); Power, Signal Cable. The TV is using its power management system. Press the Source button on the panel or remote control. Turn the TV off and on. |
| The damaged picture appears in the corner of the screen. | If Screen Fit is selected in some external devices, the damaged picture may appear in the corner of the screen. This symptom is caused by external devices, not TV. |
| The "Resets all settings to the default values" message appears. | This appears when you press and hold the EXIT button for a while. The product settings are reset to the factory defaults. |

Specifications

The descriptions and characteristics in this booklet are given for information purposes only and are subject to modification without notice.

| Model Name | PS50B550 | PS58B550 | |
|------------------------------|-----------------------------------|----------------------------------|--|
| Screen Size (Diagonal) | 50 inch | 58 inch | |
| PC Resolution (Optimum) | 1920 x 1080 @ 60 Hz | 1920 x 1080 @ 60 Hz | |
| Sound (Output) | 10 W x 2 | 15 W x 2 | |
| Dimension (WxHxD) | | | |
| Body | 1240 x 766 x 74 mm | 1418 x 866 x 74 mm | |
| With stand | 1240 x 822 x 290 mm | 1418 x 924 x 335 mm | |
| Weight | | | |
| Body | 33.4 kg | 38 kg | |
| With stand | 38.4 kg | 45 kg | |
| Environmental Considerations | | | |
| Operating Temperature | 50 °F to 104 °F | 50 °F to 104 °F (10 °C to 40 °C) | |
| Operating Humidity | 10% to 80%, non-condensing | | |
| Storage Temperature | -4 °F to 113 °F (-20 °C to 45 °C) | | |
| Storage Humidity | 5% to 95%, non-condensing | | |

This device is a Class B digital apparatus.

Design and specifications are subject to change without prior notice.

For the power supply and Power Consumption, refer to the label attached to the product.



Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

| Country | Customer Care Centre 🖀 | Web Site |
|--------------|---|--------------------|
| AUSTRALIA | 1300 362 603 | www.samsung.com/au |
| CHINA | 800-810-5858 400-810-5858 010-6475 1880 | www.samsung.com/cn |
| | HONG KONG: 3698-4698 | www.samsung.com/hk |
| INDIA | 3030 8282 1800 110011 1800 3000 8282 | www.samsung.com/in |
| INDONESIA | 0800-112-8888 | www.samsung.com/id |
| JAPAN | 0120-327-527 | www.samsung.com/jp |
| MALAYSIA | 1800-88-9999 | www.samsung.com/my |
| New zealand | 0800 SAMSUNG (0800 726 786) | www.samsung.com/nz |
| PHILIPPINES | 1-800-10-SAMSUNG(726-7864) 1-800-3-SAMSUNG(726-7864) 02-5805777 | www.samsung.com/ph |
| SINGAPORE | 1800-SAMSUNG(726-7864) | www.samsung.com/sg |
| SOUTH AFRICA | 0860-SAMSUNG(726-7864) | www.samsung.com/za |
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| THAILAND | 1800-29-3232 02-689-3232 | www.samsung.com/th |
| Turkey | 444 77 11 | www.samsung.com/tr |
| U.A.E | 800-SAMSUNG (726-7864) 8000-4726 www.samsung.com/ae | |
| VIETNAM | 1 800 588 889 | www.samsung.com/vn |

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